



Wastewater Treated Better

Haycarb offers a wide range of activated carbons for wastewater treatment in a number of industrial and utility applications. Product applications include process effluent water treatment and grey water treatment.

Industrial Effluent

Effluent water needs to be treated before being released in to the environment. In most cases, the preferred treatment method consists of a suitable activated-carbon filter, used as a stand-alone unit or in conjunction with other filtration technologies as a final-stage filtration step.

In industrial applications where water is recycled rather than simply released, untreated water contain-

ing trace amounts of chemicals cause damage to sensitive equipment. Haycarb has developed a range of carbon solutions to address these varying purification needs.

Process Effluent

Among the physical, chemical and biological processes used in wastewater treatment, activated carbon adsorption is commonly used, and is especially advisable where toxic substances or pollutants that are not easily biodegradable need to be removed. Activated carbon treatment of wastewater is the preferred treatment method in paper, textile and petrochemical industries due to its proven success.

Haycarb has developed a range of products that effectively remove various contaminants from industrial wastewater, such as:

- Biological oxygen demand (BOD)
- Chemical oxygen demand (COD)
- Toxicity
- Color compounds and dyes
- Aromatic compounds including phenol and bis-phenol A
- Chlorinated or halogenated organic compounds
- All dissolved organic compounds



Grey Water Treatment

Water other than toilet waste draining from household is classified as 'grey water'; this includes wastewater from washing dishes, laundering clothes, washing cars, bathing, etc. Although the used water may contain grease, food particles, hair and many other impurities, it may still be suitable for re-use. Reusing wastewater serves two purposes: it reduces the amount of fresh water needed to supply a household, as well as the amount of wastewater entering sewers or septic systems.

Wastewater is thus an important resources (and a large source with low organic content) that could have significant applications in regions where water is scarce. Wastewater can be recycled using our range of activated carbon, which extract most impurities.

Haycarb will work with you to evaluate your system, assess your specific requirements, and develop a best-fit solution for your needs.

Technical Information

Parameter	Typical Values
Moisture Content ASTM D2867	8% (w/w) max
Hardness No ASTM D3802	98% min
Apparent Density ASTM D2854	0.52 g/cc typical
Iodine No ASTM D4607	1000 mg/g min
Particle Size	12 x 30, 14 x 45, 20 x 50, M325

We provide custom designed products for specific customer applications within the general range.



HAYCARB
Activated carbon solutions

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Packaging

Standard packaging is designed primarily to prevent deterioration of accurately graded granules and preclude the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated on request.

Bulk Bag
Net. 500 Kg

Sacks
Net. 25 Kg

Product Testing Services

Haycarb's Research & Development laboratories in Sri Lanka and its overseas subsidiaries are equipped to perform all the standard testing required for Activated Carbons together with any other specialized product or application related testing requirements.

Warranty Disclaimer

Please confirm the specification of any particular grade with your representative prior to purchase. The user is responsible for ensuring that the product is correctly specified prior to purchase and Haycarb makes no express warranty as to suitability for specific application.



Haycarb Activated Carbon grades that are Tested and Certified by NSF International against NSF/ANSI Standard 42 for material requirements only, are listed on: www.nsf.org/certified/CWLU

Component

www.haycarb.com

